Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work:Repair and Maintenance of Footpaths in Someshwara Ward no-03 of Yalahanka Satellite town Sub Division

MODIFIED ESTIMATE

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Removing and resetting Cobble Stone (Approved Rate)								
	K.H.S COLONY (SFS208)								
	3rd Main Road	1	45.00	1.80		81.00			
	4th Main Road	1	50.00	1.50		75.00			
	Near vivekanada park 3rd Main Road	1	150.00	1.00		150.00			
					Total	**306.00**			
	Deduct / Missing Slabs 50%					153.00			
					Total Quantity	**153.00**			
					Shedule B Quantity	**367.75**			
					Total Executed Quantity	**153.00**	**Sqm**	**588.45**	**90,033.00**
2	Removing and resetting of Kerb Stone (Approved Rate)								
	K.H.S COLONY (SFS208)								
	3rd Main Road	1	45.00			45.00			
	Near vivekanada park 3rd Main Road	1	150.00			150.00			
	1st Main Road	1	705.00			705.00			
	Yalahanka 5th phase park opp Road	1	100.00			100.00			
					Total	**1000.00**			
	Deduct / Missing Slabs 42%					425.00			
					Total Quantity	**575.00**			
					Shedule B Quantity	**281.96**			
					Now to be paid qty upto 125%	**352.45**	**M**	**121.23**	**42,728.00**
					Quantity Above 125%	**222.55**	**M**	**110.21**	**24,528.00**
3	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates (V-1, P.No-15, I No-2.1.3 of PWD SR 2021-22) Issue Rate On 07-07-2022								
	For Footpath								
	Qty From Item No-1	1	306.00		0.15	45.90			
	For Kerb Stone								
	Qty From Item No-2	1	1000.00	0.20	0.135	27.00			
	For Road	1	30.00	3.05	0.15	13.73			
					Total Quantity	**86.63**			
					Shedule B Quantity	**86.86**			
					Now to be paid qty upto 125%	**86.63**	**Cum**	**5706.18**	**494298.00**

No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
4	Providing and laying heavy duty cobble Stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 30Mpa as per IRC SP 63 2018 & IS 15658 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications.(V-II, I No 9.31 P.No 64 of PWD SR 2021-22)								
	Missing/Dameged cobble stone								
	Qty From Item No-1	1	153.00			153.00			
						153.00			
						Total Quantity	**153.00**		
						Shedule B Quantity	**157.61**		
						Total Executed Quantity	**153.00**	**Sqm**	**1116.78**	**170867.00**
5	Supplying and fixing M15 grade precast cement concrete Kerb stones for Roadway, Sidewalls and gutters fixed with CM 1:3 fixed and finished in line as per direction of engineer in charge (The Cost of PCC shall be paid extra) 600 X 300 X 150 mm Kerb Stone (V-III, No.6.3,P No-146 of PWD BCSR 2021-22)								
	Missing/Dameged Kerbstone								
	Qty From Item No-2	1	425.00			425.00	m		
						945.00			
						Total Quantity	**945.00**	**Nos**		
						Shedule B Quantity	**269.00**			
						Now to be paid qty upto 125%	**336.25**	**Nos**	**473.54**	**159228.00**
						Quantity Above 125%	**608.75**	**Nos**	**473.54**	**288266.00**
6	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces (V-III, I No 8.10,P No 56, of PWD SR 2021-22)								
	K.H.S COLONY (SFS208)								
	3rd Main Road	1	45.00		0.35	15.75			
	Near vivekanada park 3rd Main Road	1	150.00		0.35	52.50			
	1st Main Road	1	705.00		0.35	246.75			
	Yalahanka 5th phase park opp Road	1	100.00		0.35	35.00			
						Total Quantity	**350.00**		
						Shedule B Quantity	**352.45**		
						Total Executed Quantity	**350.00**	**Sqm**	**87.33**	**30,566.00**
7	Providing and Fixing pre cast reinforced cement concrete covering Slab of CC 10cm thick made of M25 with OPC cement @ 340kgs per Cum with 20 mm and Down size graded granite metal coarse agg @.70cum and fine aggregate & 0.74 cum with superplasticizer mechine, mixed including providing and removing centering, shuttering, shuttering propping etc for edges of slabs with IMT (Fe500) COM, labor, labor, all Lead and Lift, HOM, Curing, including Cost of reinf. Etc, Complete as directed by the Engineer in charge of Work								
	Add Missing/Damaged Slab in Ward No 05								
		210	0.60	0.90		113.40			
		200	0.60	1.20		144.00			
						Total Quantity	**257.40**		
						Shedule B Quantity	**257.40**		
						Total Executed Quantity	**257.40**	**Sqm**	**1935.25**	**498133.00**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
8	Providing and Fixing pre cast reinforced cement concrete covering Slab of CC 23cm thick made of M25 with OPC cement @ 340kgs per Cum with 20 mm and Down size graded granite metal coarse agg @ .70cum and fine aggregate & 0.74 cum with superplasticizer mechine, mixed including providing and removing centering, shuttering, shuttering propping etc. for edges of slabs with TMT (Fe500) COM, labor, labor, all Lead and Lift, HOM, Curing, including Cost of reinf. Etc, Complete as directed by the Engineer In charge of Work								
	Add Missing/Damaged Slab in Ward No 05								
		19	0.60	1.20		13.68			
		22	0.60	1.50		19.80			
		12	0.60	1.80		12.96			
					Total Quantity	**46.44**			
					Shedule B Quantity	**169.20**			
					Total Executed Quantity	**46.44**	**Sqm**	**4704.56**	**218480.00**
	EIRL ITEMS								
E1	Removing and resetting of FootPath Slab (Approved Rate)								
	For Drain Desilt								
	Near vivekanada park 3rd Main Road	1	150.00	0.90		135.00			
	1st Main Road	1	707.00	1.20		848.40			
	Yalahanka 5th phase park opp Road	1	100.00	1.20		120.00			
					Total	**1103.40**			
	Deduct / Missing Slabs 30%					331.02			
					Total Quantity	**772.38**	**Sqm**	**219.49**	**169530.00**
E2	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work (KPWD SR 2021-22, Volume-I, Item No.1.4.1, Page No.5)								
	Drain Desilt								
	Near vivekanada park 3rd Main Road	1	150.00	0.60	0.60	54.00			
	1st Main Road	1	705.00	0.60	0.60	253.80			
	Yalahanka 5th phase park opp Road	1	100.00	0.60	0.60	36.00			
	For Road	1	30.00	3.05	0.20	18.30			
					Total Quantity	**362.10**	**Cum**	**191.10**	**69,196.00**

Sl No.	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
E3	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete MORTH Specification No.1501 as per the directions of the Engineer-in-charge of the work.								
	For Road								
	Cross Road	1	30.00	3.05	0.15	13.73			
	Ramp	8	5.00	0.60	0.15	3.60			
					Total Quantity	17.33	Cum	6690.43	115912.00
								Total Amount	2371765.00
								Add GST Charges 18%	426917.70
								Grand Total	2798682.70

Certificate:

1. The work spot has been inspected and found to be necessary
2. The provisions made in the estimate are necessary and minimum
3. The estimate is based on CSR of 2020-21 of Issue Rates on 04.01.2023

Assistant Engineer
Yelahanka Division,
BBMP Bangalore

Assistant Executive Engineer
Yelahanka Division,
BBMP Bangalore

Executive Engineer
Yelahanka Division,
BBMP Bangalore

Technical Sanction
Accorded For Rs 2798682.70
Head of A/C P3926
CER NO : 33 Dt: 15.12.23